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PRELIMINARY CHART 1989 EDITION

1st Edition March 1985

UNITED STATES
ALASKA - WEST COAST
BRISTOL BAY
TOGIAK BAY AND WALRUS ISL

Mercator Projection
Scale 1:100,000 at Lat. 58°40'

North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FATHOMS
(FATHOMS AND FEET TO ELEVEN FATHOMS)
AT MEAN LOWER LOW WATER

HORIZONTAL DATUM
The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), and for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 2.766" southward and 7.915" westward to agree with this chart.

HEIGHTS
Heights in feet above Mean High Water.

AUTHORITIES
Hydrography and topography by the National Ocean Service, Charting and Geodetic Services with additional data from the Geological Survey and U.S. Coast Guard.

SUPPLEMENTAL INFORMATION
Consult U.S. Coast Pilot 9 for important supplemental information.

NOTE C
The mariner is advised that this aid to navigation is a privately maintained, user activated, aeronautical beacon.

NOTE B
Numerous rocks and boulders have been reported throughout Nunavachak Bay. Due to these obstructions, depths within Nunavachak Bay may be 3 feet to 1 fathom 1 foot less than charted.

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)

Aids to Navigation (lights are white unless otherwise indicated):
AERO aeronautical; Al alternating; B black; Bn beacon; C can; DIA diaphone; F, Fl equal interval (sec) m minutes; F fixed; Fl flashing; G green; Gp group; Iso isophase (E Int); L, Ltd HO lighthouse; M nautical mile; m minutes; MO(C) TR maintained (year); Mo(R) TR maintained (year); Mor marker; Q quick; R red; Ra Ref radar reflector; R Bn radiobeacon; VQ very quick; W white; W(R)G WR(G) whistle; Y yellow

Bottom characteristics:
Bld boulders; Co coral; Cy clay; Gn grass; Gy gray; H hard; M mud; Oys oysters; Rk rock; S sand; Sh shells; So soft; W sticky

Miscellaneous:
Aut(H) (h) authorized; Obstr obstruction; PD position doubtful; Subm submerged; ED existence doubtful; PA position approximate; Rep reported; ⚓ Where rock, obstruction, or shoal swept clear to the depth indicated.
(2) Rocks that cover and uncover, with heights in feet above datum of soundings.

TOGIAK BAY
TOGIAK
Togiak River
Marsh
Twin Hills
Kuntuk River
Quigmy River
Anchor Point
Rocky Point
Ungalikthluk River
UNGALIKTHLUK BAY
(Snag Bay)
Nunavachak Lake
NUNAVACHAK BAY
SUMMIT ISLAND
Mothgina River
TONGUE POINT
HAGEMEISTER STRAIT
HAGEMEISTER ISLAND
HIGH ISLAND
CROOKED ISLAND
ROUND ISLAND
WALRUS ISLANDS
BRISTOL BAY

There appears to be a vast expanse of shoal water between High and Hagemeister Islands. (Rep 1948)

There are undoubtedly additional shoals south and west of the Twins. (Rep 1948)

LORAN LINEAR INTERPOLATOR
MICROSECONDS

LORAN-C
GENERAL EXPLANATION
LORAN-C FREQUENCY 100kHz
PULSE REPETITION INTERVAL
(WXY) 99,600 Microseconds
STATION TYPE DESIGNATORS (Not individual sta-tion time designators)
M Master
W Secondary
X Secondary
Y Secondary
EXAMPLE (WXY-)

RATES ON THIS CHART
(SOURCE: TIMER-2)

LORAN-C correction tables published by the Defense Mapping Agency or others should not be used with this chart. The lines of position shown have been adjusted based on empirically determined overland signal propagation delays. They have not been verified by comparison with survey data. Every effort has been made to meet the 1 nautical mile accuracy criteria established by the U.S. Coast Guard. Mariners are cautioned not to rely solely on the values in marine atlases.

CAUTION
This chart has been corrected from the Notice to Mariners published weekly by the Defense Mapping Agency Hydrographic/Topographic Center and the Local Notice to Mariners issued periodically by each U.S. Coast Guard district to the date shown in the lower left hand corner.

This nautical chart was revised with the aid of the National Ocean Service's computer assisted cartographic compilation system.

SOUNDINGS IN FATHOMS
(FATHOMS AND FEET TO 11 FATHOMS)

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions or comments for improving this chart to the Director, Charting and Geodetic Services (N/CG22), National Ocean Service, NOAA, Rockville, Maryland 20852.

Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

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Nautical Chart Catalog No. 3, Panel G

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HORIZONTAL DATUM
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WARNING

The hydrography on this preliminary chart is of varying degrees of quality. In the areas of sparse soundings many of the depths were taken by lead line in the early 1900's, so further uncharted shoals are likely. The depths in the area of denser soundings were acquired by modern survey methods. Soundings that have not yet been checked and verified for accuracy are indicated by a magenta dashed outline. They are advance information subject to office review. Navigators should use this chart with extreme caution and report discrepancies or hazards to the Director, Charting and Geodetic Services (N/CG22), National Ocean Service, NOAA, Rockville, Maryland 20852.

This preliminary chart is distributed as an interim product while modern surveys are being conducted. Each winter for the next several years a new edition will be published showing the unverified data collected the previous summer. When all surveys are complete a final chart meeting modern nautical charting standards will be published.

HYDROGRAPHY
The most recent basic hydrographic survey(s) used in the compilation of this chart were accomplished by the NOAA Ship RAINIER, commanded by Capt. Carl W. Fisher.

NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 9. Additions or revisions to Chapter 2 are published in the Notices to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 17th Coast Guard District in Juneau, Alaska, or at the Office of the District Engineer, Corps of Engineers in Anchorage, Alaska.
Refer to charted regulation section numbers.

POLLUTION REPORTS
Report all spills of oil and hazardous substances to the National Response Center via 800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

COLREGS, 80.1705 (see note A)
International Regulations for Preventing Collisions at Sea, 1972.
The entire area of this chart falls seaward of the COLREGS Demarcation Line.

NOTE K
TERRITORIAL SEA AND CONTIGUOUS ZONE
The lines delineating the territorial sea and contiguous zone represent an interdepartmental committee's interpretation of legal principles as applied to geographical information. The lines are subject to revision when required by correction of the geographic information shown or by reinterpretation of the legal principles involved. Where differences occur between adjacent or overlapping charts, the lines shown on the most recent chart issue take precedence.

NOTE B
Numerous rocks and boulders have been reported throughout Nunavachak Bay. Due to these obstructions, depths within Nunavachak Bay may be 3 feet to 1 fathom 1 foot less than charted.

NOTE D
The land areas and adjacent waters of Round Island, Coxewell Island, High Island, Summit Island, The Twins, and Hall Rock are administered by the Alaska Islands State Game Sanctuary.
Access within a two mile radius of Round Island is prohibited without permission from the Alaska Department of Fish and Game.

LORAN LINEAR INTERPOLATOR

TOGIAK BAY
WALRUS ISLANDS
BRISTOL BAY
KULUKAK BAY
NUNAVACHAK BAY
UNGALIKTHLUK BAY
(Snag Bay)
NUSHAGAK PENINSULA
HIGH ISLAND
CROOKED ISLAND
SUMMIT ISLAND
SOUND ISLAND
Togiak River
Twin Hills
Kulukak River
Kanulik River
Nunavachak Lake
Ungalikthluk River
Kukak Point
Twelvemile Bay
Kikertalik Lake
Hall Rock
Twins
Tide rips
Further shoaling is likely
DANGER AREA
(24 hrs) (Firing Practice)

IN FATHOMS
(FEET TO 11 FATHOMS)

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FATHOMS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
FEET	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102
METERS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

TOGIAK BAY AND WALRUS ISLANDS
SOUNDINGS IN FATHOMS - SCALE 1:100,000

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